

**LAPORAN KEGIATAN**

**PEMERINGKATAN UI GREENMETRIC  
UNIVERSITAS NEGERI MANADO  
TAHUN 2021**



**TIM UI GREENMETRIC  
UNIVERSITAS NEGERI MANADO  
TAHUN 2021**

## **A. Latar Belakang**

UI GreenMetric World University Ranking merupakan pemeringkatan kampus hijau dan kelestarian lingkungan yang diprakarsai oleh Universitas Indonesia pada tahun 2010. Melalui 39 indikator dalam 6 kriteria, UI GreenMetric World University Rankings secara hati-hati menentukan peringkat berdasarkan komitmen dan inisiatif lingkungan universitas.

Pemeringkatan telah melihat peningkatan dramatis peserta dari 95 universitas di 35 negara pada tahun 2010 menjadi 956 universitas di 80 negara pada tahun 2021.

Universitas memainkan peran integral dalam upaya bersama antara pemangku kepentingan dan masyarakat dalam memerangi perubahan iklim. Dengan mempromosikan dan mengembangkan ide dan inovasi baru, kami berharap universitas dapat mempromosikan konservasi energi dan air, daur ulang limbah, dan transportasi hijau. Namun, kegiatan tersebut akan membutuhkan perubahan perilaku serta masalah ekonomi dan sosial yang terkait dengan keberlanjutan. Untuk itu, kami berharap perguruan tinggi dapat menjadi panutan bagi masyarakat dan mitra penting bagi pemerintah.

Visi pemeringkatan UI Greenmetric ini adalah menjadi Pemeringkatan Universitas Dunia yang terbuka dan dihormati yang membawa dampak berkelanjutan bagi universitas di seluruh dunia.

Dengan Misi:

- 1) Menyelenggarakan Peringkat Universitas Dunia tahunan yang berkelanjutan.
- 2) Mendorong praktik keberlanjutan di universitas di seluruh dunia.
- 3) Menyediakan layanan terkait keberlanjutan untuk universitas di seluruh Dunia.
- 4) Memfasilitasi kemitraan internasional tentang keberlanjutan.

Pada tahun ini Universitas Negeri Manado akan mengikuti pemeringkatan UI Greenmetric. Dengan lahan seluas 2.795.626 m<sup>2</sup> dan prasarana yang mendukung program kampus hijau dapat dipastikan Unima mampu memperoleh ranking yang baik dalam pemeringkatan ini.

## **B. Tujuan**

- 1) Menyelenggarakan Peringkat Universitas Dunia tahunan yang berkelanjutan.
- 2) Mendorong praktik keberlanjutan di universitas di seluruh dunia.
- 3) Menyediakan layanan terkait keberlanjutan untuk universitas di seluruh Dunia.
- 4) Memfasilitasi kemitraan internasional tentang keberlanjutan.
- 5) Universitas Negeri Manado menjadi percontohan kampus hijau di wilayah Sulawesi Utara.

## **C. Jadwal Kegiatan**

Kegiatan penginputan data UI Greenmetric Unima dilakukan secara bertahap, yaitu sebagai berikut:

- 1) Penginputan pertama dilakukan pada Hari Senin, 4 Oktober 2021 di Ruang Sekretariat Rektorat Tondano.
- 2) Penginputan kedua dilakukan pada Hari Selasa s.d. Kamis, 5 s.d. 7 Oktober 2021 di Ruang Sekretariat Rektorat Tondano.
- 3) Penginputan ketiga dilakukan pada Hari Jumat s.d. Minggu, 8 s.d. 10 Oktober 2022 di Luwansa Hotel Manado.

#### **D. Rencana Anggaran Biaya**

Rencana biaya pada kegiatan ini adalah sebagai berikut:

<b>No</b>	<b>Komponen Pembiayaan</b>	<b>Rincian</b>	<b>Biaya (Rp)</b>
1	Kegiatan Penginputan Data UI Greenmetric Tahun 2021 Tahap 1		
	Honorium tim UI Greenmetrik	20 orang x 130.000 x 1 hari	2.600.000
2	Kegiatan Penginputan Data UI Greenmetric Tahun 2021 Tahap 2		
	Honorium tim UI Greenmetrik	20 orang x 130.000 x 3 hari	7.800.000
3	Kegiatan Penginputan Data UI Greenmetric Tahun 2021 Tahap 2		
	Peserta meeting fullboard	20 orang x 600.000 x 3 hari	36.000.000
	Honorium tim UI Greenmetrik	20 orang x 130.000 x 3 hari	7.800.000
	Baliho	1 ukuran 1x2 meter	90.000
<b>Total Biaya</b>			<b>54.290.000</b>

#### **E. Pelaksanaan Kegiatan**

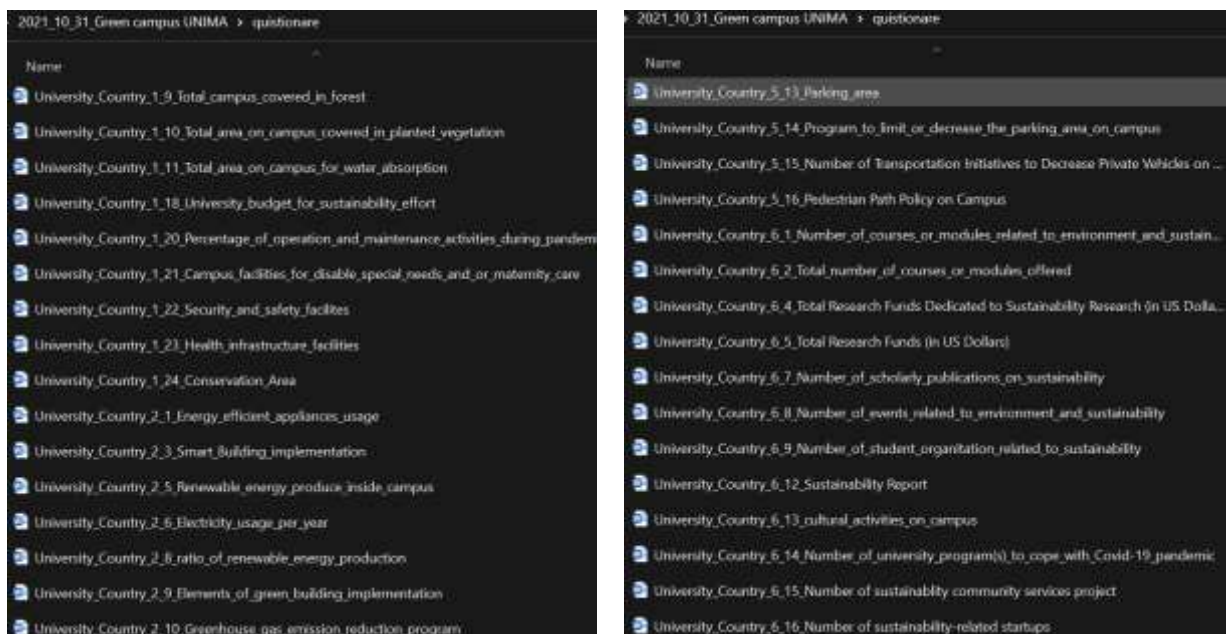
Kegiatan penginputan data UI Greenmetric Unima dilakukan secara bertahap, tahap pertama dilakukan pada Hari Senin, 4 Oktober 2021 di Ruang Sekretariat Rektorat Tondano, tahap kedua dilakukan pada Hari Selasa s.d. Kamis, 5 s.d. 7 Oktober 2021 di Ruang Sekretariat Rektorat Tondano, tahap ketiga dilakukan pada Hari Jumat s.d. Minggu, 8 s.d. 10 Oktober 2022 di Luwansa Hotel Manado. Berikut ini adalah uraian kegiatan yang dilakukan perharinya.

##### **1. Persiapan Data UI Greenmetrics Unima**

Pada tanggal 4 Oktober 2022, tim UI Greenmetrik Unima melakukan pengumpulan data terkait pemeringkatan UI Greenmetrik Tahun 2022, dimulai dengan mendownload Tample-tample pengisian di webside pemeringkatan ([www.greenmetric.ui.ac.id](http://www.greenmetric.ui.ac.id)). Jumlah file yang didownload sejumlah 54 item yang terdiri atas file Setting & Infrastructure, Energy & Climate Change, Waste, Water, Transportation, dan Education & Research.



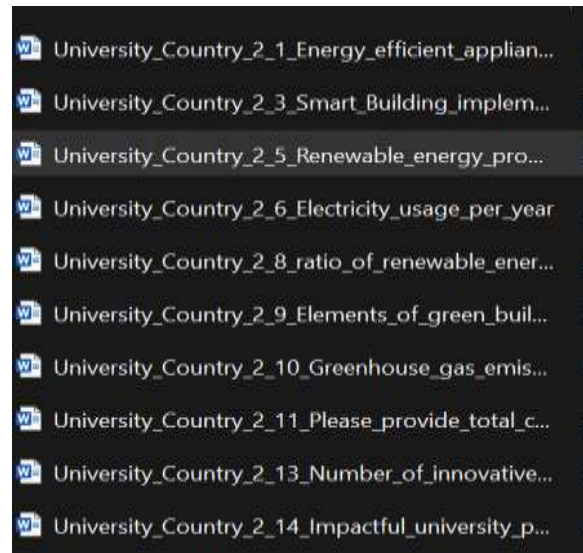
Gambar 1. Interface webside UI Greenmetric



Gambar 2. File yang di Download

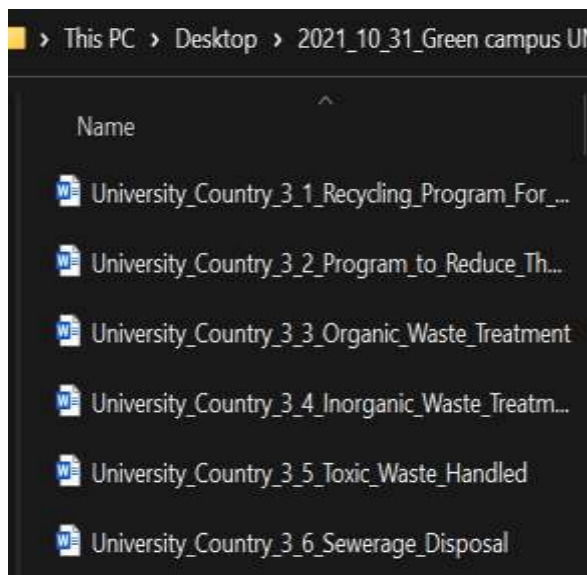
## 2. Pengisian Data UI Greenmetric

Pada tanggal 5 Oktober 2022, tim UI Greenmetric Unima mencari dan mengisi dokumen terkait Setting & Infrastructure, dan Energy & Climate Change.



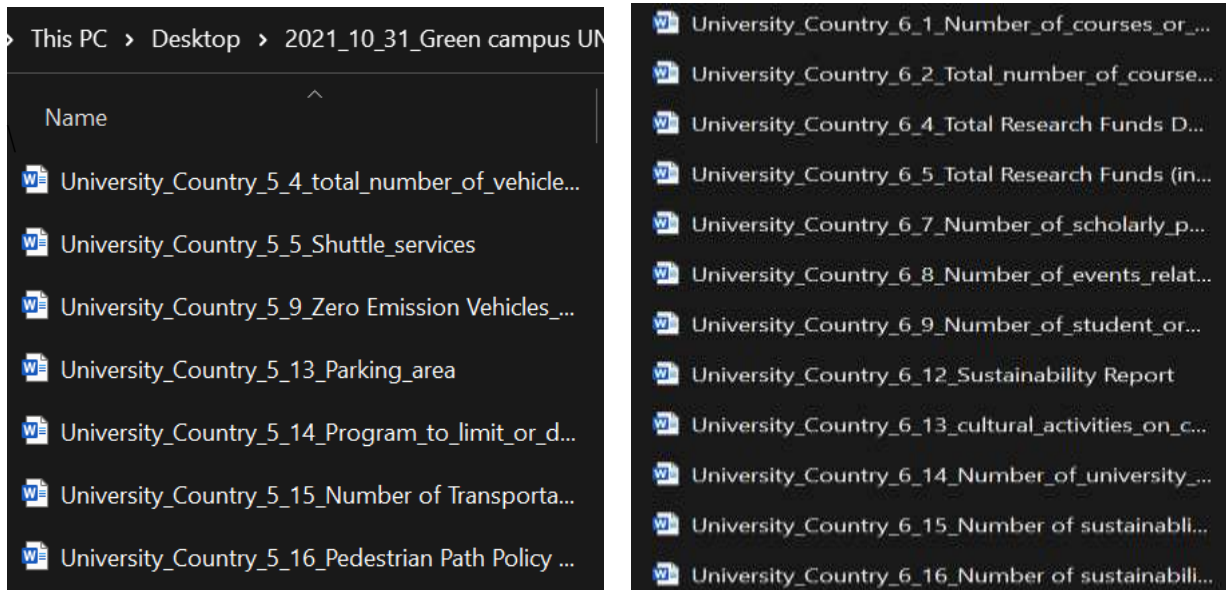
Gambar 3. Pengisian Dokumen Bagian 1 dan Bagian 2

Pada tanggal 6 Oktober 2022, tim UI Greenmetric Unima mencari dan mengisi dokumen terkait Waste, dan Water.



Gambar 4. Pengisian Dokumen Bagian 3 dan Bagian 4

Pada tanggal 7 Oktober 2022, tim UI Greenmetric Unima mencari dan mengisi dokumen terkait Transportation, dan Education & Research.



Gambar 5. Pengisian Dokumen Bagian 5 dan Bagian 6

Pada tanggal 8 Oktober 2022, tim UI Greenmetric Unima menginput data terkait Setting & Infrastructure, dan Energy & Climate Change.

Question	Answer	Evidence
1.1 Type of higher education institution ⓘ	<input type="radio"/> Comprehensive <input checked="" type="radio"/> Specialized higher education institution	
1.2 Climate ⓘ	<input type="radio"/> Tropical Wet <input type="radio"/> Tropical Wet and Dry <input type="radio"/> Semiarid <input type="radio"/> Arid <input type="radio"/> Mediterranean <input type="radio"/> Humid Subtropical <input type="radio"/> Marine west coast / Oceanic Climate <input checked="" type="radio"/> Humid Continental <input type="radio"/> Subartic	
1.3 Number of campus site ⓘ	2	[UNIMA]_1_3_Number_of_Campus_sites.docx <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>
1.4 Campus setting ⓘ	<input type="radio"/> Rural <input checked="" type="radio"/> Suburban <input type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building	[UNIMA]_1_4_Main_campus_setting.docx <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>
1.4 Campus setting ⓘ	<input type="radio"/> Rural <input checked="" type="radio"/> Suburban <input type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building	[UNIMA]_1_4_Main_campus_setting.docx <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>
1.5 Total campus area (m <sup>2</sup> ) ⓘ	2795626	[UNIMA]_1_5_Total_main_campus_area_templ <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>
1.6 Total campus ground floor area of buildings (m <sup>2</sup> ) ⓘ	129816	
1.7 Total campus buildings area (m <sup>2</sup> ) ⓘ	243583	[UNIMA]_1_7_Total_campus_buildings_area_FI <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>
1.8 (Sl.1) The ratio of open space to total area, ⓘ Formula: ((1.5-1.6)/1.5) x 100%	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 80% <input type="radio"/> > 80 - 90% <input type="radio"/> > 90 - 95% <input checked="" type="radio"/> > 95%	University_Country_1_8-Ratio_of_open_space_ <small>👁️ 👤 🗑️ *delete your evidence first before upload the new one</small>

1.9 (Sl.2)	Total area on campus covered in forest vegetation (please provide total area in square meters) ⓘ	<input type="radio"/> ≤ 2% <input type="radio"/> > 2 - 9% <input type="radio"/> > 9 - 22% <input type="radio"/> > 22 - 35% <input checked="" type="radio"/> > 35%	<input type="text" value="579514"/> <input type="button" value="number only, please provide total area in met"/>	[UNIMA]_1_9_Total_campus_covered_in_forest <input type="button" value="delete your evidence first before upload the new one"/>
1.10 (Sl.3)	Total area on campus covered in planted vegetation (please provide	<input type="radio"/> ≤ 10%	<input type="text"/> <input type="button" value="number only, please provide total area in met"/>	[UNIMA]_1_10_Total_area_on_campus_covered_in_planted_vegetation <input type="button" value="delete your evidence first before upload the new one"/>
1.11 (Sl.4)	Total area on campus for water absorption besides forest and planted vegetation (please provide total area in square meters) ⓘ	<input checked="" type="radio"/> ≤ 2% <input type="radio"/> > 2 - 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30%	<input type="text" value="9.557"/> <input type="button" value="number only, please provide total area in meter square"/>	University_Country_1_11_Total_area_on_campus_for_water_absorption_besides_forest_and_planted_vegetation <input type="button" value="delete your evidence first before upload the new one"/>
1.12	Total number of regular students (part time and full time) ⓘ		<input type="text" value="23583"/>	
1.13	Total number of online students (part time and full time) ⓘ		<input type="text" value="0"/>	
1.14	Total number of academic and administrative staff ⓘ		<input type="text" value="24516"/>	
1.15	Estimated annual total population ⓘ		<input type="text" value="24616"/>	
1.16 (Sl.5)	The total open space area divided by total campus population. ⓘ Formula: $(1.5-1.6)/(1.15)$	<input type="radio"/> ≤ 10 m <sup>2</sup> / person <input type="radio"/> > 10 - 20 m <sup>2</sup> / person <input type="radio"/> > 20 - 40 m <sup>2</sup> / person <input type="radio"/> > 40 - 70 m <sup>2</sup> / person <input checked="" type="radio"/> > 70 m <sup>2</sup> / person		
1.17	Total university's budget (in US Dollars) ⓘ		<input type="text" value="16481635.04"/>	
1.18	University's budget for sustainability effort (in US Dollars) ⓘ		<input type="text" value="946271.93"/>	University_Country_1_18_University_budget_for_sustainability_effort <input type="button" value="delete your evidence first before upload the new one"/>
1.19 (Sl.6)	Percentage of University's budget for sustainability effort ⓘ Formula: $(1.17/1.18) \times 100\%$	<input type="radio"/> ≤ 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input type="radio"/> > 10 - 15% <input type="radio"/> > 15%		
1.20 (Sl.7)	Percentage of operation and maintenance activities of building in one year period ⓘ	<input type="radio"/> < 25% <input type="radio"/> > 25 - 50% <input type="radio"/> > 50 - 75% <input type="radio"/> > 75-99% <input checked="" type="radio"/> 100%		University_Country_1_20_Percentage_of_operation_and_maintenance_activities_of_building_in_one_year_period <input type="button" value="delete your evidence first before upload the new one"/>
1.21 (Sl.8)	Campus facilities for disable and maternity care ⓘ	<input type="radio"/> None <input type="radio"/> Policy is in place <input type="radio"/> Facilities are in planning stage		University_Country_1_21_Campus_facilities_for_disable_and_maternity_care <input type="button" value="delete your evidence first before upload the new one"/>

1.22 (5L.9)	Security and safety facilities	<input type="radio"/> Passive security system <input type="radio"/> Security infrastructure (CCTV, emergency hotline/button) available and fully function <input checked="" type="radio"/> Security infrastructure (CCTV, emergency hotline/button, personnel, fire extinguisher, hydrant) available and fully function <input type="radio"/> Security infrastructure is available and fully functions and security responding time for accidents, crime, fire, and natural disasters is more than 10 minutes <input type="radio"/> Security infrastructure is available and fully functions and security responding time for accidents, crime, fire, and natural disasters is less than 10 minutes	University_Country_1_22_Security_and_safety_facilit <a href="#">*delete your evidence first before upload the new one</a>
1.23 (5L.10)	Health infrastructure facilities for students and academic and administrative staff wellbeing	<input type="radio"/> Health infrastructure in preparation (first aid) <input type="radio"/> Health infrastructure (first aid, emergency room, clinic and personel ) available <input checked="" type="radio"/> Health infrastructure (first aid, emergency room, clinic and certified personel) available <input type="radio"/> Health infrastructure (first aid, emergency room, clinic, hospital and certified personel) available <input type="radio"/> Health infrastructure available (first aid, emergency room, clinic hospital and certified personel), system and accessible for public	1.23_...docx <a href="#">*delete your evidence first before upload the new one</a>
1.24 (5L.11)	Conservation: plant (flora), animal (fauna), and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	<input type="radio"/> Conservation program in preparation <input type="radio"/> Conservation program 1-25% implemented <input checked="" type="radio"/> Conservation program 25-50% implemented <input type="radio"/> Conservation program 50-75% implemented <input type="radio"/> Conservation program fully implemented	University_Country_1_24_Conservation_Area.docx <a href="#">*delete your evidence first before upload the new one</a>

Question	Answer	Evidence	
2.1 (5C.1)	Energy efficient appliances usage	<input type="radio"/> 0-1% <input checked="" type="radio"/> 1-10% <input type="radio"/> 10-50% <input type="radio"/> 50-75% <input type="radio"/> 75-100%	2.1_Energy_efficient_appliances_usage.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.2 (5C.2)	Total national smart building area (m <sup>2</sup> )	<input type="radio"/> 0 <input checked="" type="radio"/> 1-1% <input type="radio"/> 1% - 5% <input type="radio"/> 5% - 10% <input type="radio"/> 10% - 50% <input type="radio"/> 50% - 100%	<input type="button" value="Add Evidence"/> <input type="checkbox"/> Evidence template
2.3 (5C.3)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non smart buildings area)	<input type="radio"/> 0% <input checked="" type="radio"/> 1% - 5% <input type="radio"/> 5% - 10% <input type="radio"/> 10% - 50% <input type="radio"/> 50% - 100%	<input type="button" value="Add Evidence"/> <input type="checkbox"/> Evidence template
2.4 (5C.4)	Number of renewable energy sources in campus (solar panel, bio-diesel, wind power, etc)	<input type="radio"/> None <input checked="" type="radio"/> 1 sources <input type="radio"/> 2 sources <input type="radio"/> 3 sources <input type="radio"/> 4 sources	
2.5 (5C.5)	Please specify renewable energy sources in campus and provide capacity produced in lowest hour	<input type="radio"/> Not Applicable <input checked="" type="radio"/> Bio Diesel <input type="radio"/> Geothermal <input type="radio"/> Hydro <input type="radio"/> Solar <input type="radio"/> Wind <input type="radio"/> Other	2.5_Renewable_energy_sources_in_campus_and_provide_capacity_produced_in_lowest_hour.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.6 (5C.6)	Electricity usage per year (in this next hour)	<input type="text" value="00000"/>	<input type="button" value="Add Evidence"/> <input type="checkbox"/> Evidence template
2.7 (5C.7)	The total electricity usage divided by total campus population (kWh per person). Formula: (2.6) / (1.70)	<input type="radio"/> <=0.04 kWh <input type="radio"/> <=0.05 - 0.05 kWh <input type="radio"/> <=0.06 - 0.06 kWh <input type="radio"/> <=0.07 - 0.07 kWh <input checked="" type="radio"/> <=0.08 kWh	
2.8 (5C.8)	The ratio of renewable energy production divided by total energy usage per year	<input checked="" type="radio"/> <= 0.0% <input type="radio"/> <= 0.1 - 1% <input type="radio"/> <= 1 - 2% <input type="radio"/> <= 2 - 25% <input type="radio"/> <= 25%	<input type="button" value="Add Evidence"/> <input type="checkbox"/> Evidence template
2.9 (5C.9)	Elements of green building implementation as affected in all construction and renovation policies	<input type="radio"/> None <input type="radio"/> 1 elements <input checked="" type="radio"/> 2 elements <input type="radio"/> 3 elements <input type="radio"/> 4 elements	2.9_Elements_of_green_building_implementation.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.10 (5C.10)	Greenhouse gas emission-reduction program	<input type="radio"/> None (reduction program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and assessment) <input checked="" type="radio"/> Program(s) aimed to reduce one out of three scopes emissions (Scope 1 or 2 or 3) <input type="radio"/> Program(s) aimed to reduce two out of three scopes emissions (Scope 1 and 2 or Scope 1 and 3 or Scope 2 and 3) <input type="radio"/> Program(s) aimed to reduce all three scopes emissions (Scope 1, 2 and 3)	University_Country_2_10_Greenhouse_gas_emission.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.11 (5C.11)	Please provide the total carbon footprint (CO <sub>2</sub> emission) in the last 12 months, in metric tons	<input type="text" value="00000"/>	University_Country_2_11_Please_provide_total_carbon_footprint_in_the_last_12_months_in_metric_tons.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.12 (5C.12)	The total carbon footprint divided by total campus population (metric tons per person). Formula: (2.11) / (1.70)	<input checked="" type="radio"/> <= 0.09 metric ton <input type="radio"/> <= 0.10 - 0.20 metric ton <input type="radio"/> <= 0.20 - 0.30 metric ton <input type="radio"/> <= 0.30 - 0.40 metric ton <input type="radio"/> <= 0.40 metric ton	
2.13 (5C.13)	The number of innovative program(s) in Energy and Climate Change	<input type="radio"/> None <input type="radio"/> 1 program <input type="radio"/> 2 programs <input type="radio"/> 3 programs <input checked="" type="radio"/> More than 3 programs	University_Country_2_13_Number_of_innovative_program_in_Energy_and_Climate_Change.pdf <a href="#">*delete your evidence first before upload the new one</a>
2.14 (5C.14)	Impact of university program(s) on climate change	<input type="radio"/> None <input type="radio"/> Program in preparation <input checked="" type="radio"/> Provide training and educational materials for surrounding communities	University_Country_2_14_Impact_of_university_program_on_climate_change.pdf <a href="#">*delete your evidence first before upload the new one</a>

Gambar 6. Penginputan Data Bagian 1 dan Bagian 2



Pada tanggal 9 Oktober 2022, tim UI Greenmetric Unima menginput data terkait Waste, dan Water.

Question	Answer	Evidence
2.1 (WS.1) Recycling program for university waste #	<ul style="list-style-type: none"> <li>Not applicable</li> <li>Partial (1% - 35% of waste)</li> <li>Partial (36% - 55% of waste)</li> <li><input checked="" type="radio"/> Partial (56% - 75% of waste)</li> <li>Extensive (&gt; 75% waste)</li> </ul>	University_Country_S_1_Recycling_Program_Fac_University
2.2 (WS.2) Program to reduce the use of paper and plastic on campus #	<ul style="list-style-type: none"> <li>Not applicable (if there is no program in your university)</li> <li>1 program</li> <li>2 programs</li> <li>3 programs</li> <li><input checked="" type="radio"/> more than 3 programs</li> </ul>	University_Country_S_2_Program_to_Reduce_The_Use_of_P
2.3 (WS.3) Organic waste treatment #	<ul style="list-style-type: none"> <li>Open burning</li> <li>Partial (1% - 25% of treated)</li> <li>Partial (26% - 50% of treated)</li> <li><input checked="" type="radio"/> Partial (51% - 75% of treated)</li> <li>Extensive (&gt; 75% treated)</li> </ul>	University_Country_S_3_Organic_Waste_Treatment.docx
2.4 (WS.4) Inorganic waste treatment #	<ul style="list-style-type: none"> <li>Burned in the open</li> <li>Partial (1% - 25% of treated)</li> <li>Partial (26% - 50% of treated)</li> <li>Partial (51% - 75% of treated)</li> <li>Extensive (&gt; 75% treated)</li> </ul>	University_Country_S_4_Inorganic_Waste_Treatment.docx
2.5 (WS.5) Toxic waste treatment #	<ul style="list-style-type: none"> <li>Not Managed</li> <li><input checked="" type="radio"/> Partial (1% - 25% of treated)</li> <li>Partial (26% - 50% of treated)</li> <li>Partial (51% - 75% of treated)</li> <li>Extensive (&gt; 75% treated) or incinerator produces a minimum amount of toxic waste</li> </ul>	University_Country_S_5-Toxic_Waste_Managed.docx
2.6 (WS.6) Sewage disposal #	<ul style="list-style-type: none"> <li>Disposed to sewerline</li> <li><input checked="" type="radio"/> Treated on-campus</li> <li>Treated off-campus for reuse</li> </ul>	University_Country_S_6_Sewage_Disposal.docx
4.1 (WS.7) Water conservation program and implementation #	<ul style="list-style-type: none"> <li>None (Conservation program is needed, but nothing has been done)</li> <li>Program in progress (e.g. feasibility study and promotion)</li> <li><input checked="" type="radio"/> 1 - 25% implemented at early stage (e.g. measurement of potential surface runoff volume)</li> <li>+ 25 - 50% water conserved</li> <li>+ 50% water conserved</li> </ul>	University_Country_A_1_Water_Conservation_Program_Implement
4.2 (WS.2) Water recycling program implementation #	<ul style="list-style-type: none"> <li>None (Water recycling program is needed, but nothing has been done)</li> <li>Program in progress (e.g. feasibility study and promotion)</li> <li><input checked="" type="radio"/> 1 - 25% implemented at early stage (e.g. measurement of water used)</li> <li>+ 26 - 50% water recycled</li> <li>+ 50% water recycled</li> </ul>	University_Country_A_2_2_Water_Recycling_Program_Implement
4.3 (WS.3) Water efficient appliances usage #	<ul style="list-style-type: none"> <li>None (Water efficient appliances is needed, but nothing has been done)</li> <li>Program in progress (e.g. feasibility study and promotion)</li> <li><input checked="" type="radio"/> 1 - 25% of water efficient appliances installed</li> <li>+ 25 - 50% of water efficient appliances installed</li> <li>+ 50% of water efficient appliances installed</li> </ul>	Refer Evidence Evidence template
4.4 (WS.4) Treated water consumed #	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> None</li> <li>+ 0% - 25% treated water consumed</li> <li>+ 26% - 50% treated water consumed</li> <li>+ 50% - 75% treated water consumed</li> <li>+ 75% treated water consumed</li> </ul>	Refer Evidence Evidence template
4.5 (WS.5) Water pollution control in campus area (MS) #	<ul style="list-style-type: none"> <li>Policy and program for water pollution control are in the designing stage</li> <li>Policy and program for water pollution control are in the construction stage</li> <li><input checked="" type="radio"/> Policy and program for water pollution control are in the early implementation stage</li> <li>Policy and program for water pollution control are fully implemented and reviewed occasionally</li> <li>Policy and program for water pollution control are fully implemented and reviewed regularly</li> </ul>	Refer Evidence Evidence template

Gambar 7. Penginputan Data Bagian 3 dan Bagian 4

Pada tanggal 10 Oktober 2022, tim UI Greenmetric Unima menginput data terkait Transportation, dan Education & Research.

Question	Answer	Evidence
5.1 (TR.1) Number of cars actively used and managed by University #	0	
5.2 (TR.2) Number of cars used by the University staff #	200	
5.3 (TR.3) Number of motorbikes used within the university area #	600	
5.4 (TR.1) The total number of vehicles (cars and motorbikes) provided by the national government. Formula: (3.5)(1.2)(1.1)(1) #	<ul style="list-style-type: none"> <li>+ 0.0</li> <li>+ 0.01 - 0.1</li> <li>+ 0.100 - 0.5</li> <li>+ 0.500 - 1.000</li> <li><input checked="" type="radio"/> + 1.000</li> </ul>	Universitas_Heger's_Monaco_Toronto_S_4_30
5.5 (TR.2) Public service #	<ul style="list-style-type: none"> <li>Public service is available but not provided by university</li> <li><input checked="" type="radio"/> Public service is provided (by university or other parties) and charged for free</li> <li>Public service is provided (by university or other parties) and the university subsidizes the cost</li> <li>Public service is provided for commuting, regular and free</li> <li>Public service is provided for commuting, regular and charged</li> <li>Public service is provided for commuting, regular and charged (a number can be added to the provided cost requirement)</li> </ul>	Universitas_Heger's_Monaco_Toronto_S_5_20
5.6 (TR.1) Number of bicycles managed by university #	0	
5.7 (TR.2) Number of bicycles managed by campus staff #	0	
5.8 (TR.3) Total tons of bicycles within campus area #	0	
5.9 (TR.3) Zero Emission Vehicles (ZEV) policy on campus #	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> Zero Emission Vehicles are not available</li> <li>Zero Emission vehicles are not available as a pilot</li> <li>Zero Emission vehicles are available, but not provided by university</li> <li>Zero Emission vehicles are available, provided by university and charged</li> <li>Zero Emission vehicles are available, and provided by university for free</li> </ul>	Universitas_Heger's_Monaco_Toronto_S_5_20
5.10 (TR.2) Average number of Zero Emission Vehicles (e.g. bicycles, cars, scooters, e-scooter, etc.) on campus per day #	0	
5.11 (TR.4) The total number of Zero Emission Vehicles (ZEV) owned by total campus population. Formula: (3.5)(1.1)(1.1) #	<ul style="list-style-type: none"> <li>+ 0.000</li> <li>+ 0.001 - 0.004</li> <li>+ 0.005 - 0.008</li> <li>+ 0.009 - 0.02</li> <li>+ 0.02</li> </ul>	

← 833

5.12 (Q) Total ground parking area (m<sup>2</sup>) (Q)

5.13 (TR Q) Ratio of parking area to total campus area. Formula: (5.12/1.3) x 100% (Q)

5.14 (TR Q) Transportation program designed to limit or decrease the parking area on campus for the last 2 years (from 2018 to 2020) (Q)

5.15 (TR Q) Number of transportation stations to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / train / bus services and etc) (Q)

5.16 (TR Q) Pedestrian paths on campus (Q)

5.17 (Q) Approximate daily travel distance of a vehicle inside campus only (in kilometers) (Q)

← 834

2000

→ 11%

→ 7-11%

→ 4-7%

→ 1-4%

1%

None

Program in preparation (e.g. feasibility study not completed)

Less than 10% decrease

Between 10% - 20% decrease

Program already in place but 20% decrease in parking area or parking area reduction has reached by 20%

None

1 instance

2 instances

3 instances

4 instances, or reduction no longer required

None

Pedestrian paths are available

Pedestrian paths are available, and design for safety

Pedestrian paths are available, designed for safety and convenience

Pedestrian paths are available, designed for safety, convenience, and/or some paths provided with disabled-friendly features

0

Question	Answer	Feedback
6.1 (Q) Number of courses/subjects related to sustainability offered (Q)	120	University_Country_5_1_Number_of_courses_or_no <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
6.2 (Q) Total number of courses/subjects offered (Q)	600	University_Country_5_2_Total_number_of_courses_o <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
6.3 (EQ 1) The ratio of sustainability courses to total courses/subjects (Q)	→ 4-7%	
	→ 1-3%	
	→ 5-10%	
	→ 11-20%	
	<input checked="" type="radio"/> > 20%	
6.4 (Q) Total research funds allocated to sustainability research (in US Dollars) (average per annum over the last 3 years) (Q)	67782.25	University_Country_5_4_Total_Research_Funds_6ed <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
6.5 (Q) Total research funds (in US Dollars) (average per annum over the last 3 years) (Q)	84775.67	University_Country_5_5_Total_Research_Funds_(N) <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
6.6 (EQ 2) The ratio of sustainability research funding to total research funding (Q)	→ 4-7%	
	→ 1-3%	
	→ 5-10%	
	→ 11-20%	
	<input checked="" type="radio"/> > 20%	
6.7 (EQ 3) Number of scholarly publications on sustainability published (average annually for the past 3 years) (Q)	0	University_Country_5_7_Number_of_scholarly_public <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1-20	
	21-100	
	84-300	
	> 300	
6.8 (EQ 4) Number of events related to sustainability (average annually for the past 3 years) (Q)	4	University_Country_5_8_Number_of_events_related <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1-4	
	5-10	
	10-40	
	> 40	
6.9 (EQ 5) Number of student organizations related to sustainability (Q)	0	University_Country_5_9_Number_of_student_organ <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1-2	
	3-4	
	<input checked="" type="radio"/> 5-10	
	> 10	
6.10 (EQ 6) University-run sustainability website (Q)	<input type="radio"/> Not available	
	<input type="radio"/> Website in progress or under construction	
	<input checked="" type="radio"/> Website is available and accessible	
	<input type="radio"/> Website is available, accessible, and updated occasionally	
	<input type="radio"/> Website is available, accessible, and updated regularly	
6.11 (Q) Sustainability website address (URL) if available (Q)	http://www.campus.unma.ac.id	
6.12 (EQ 7) Sustainability report (Q)	<input type="radio"/> Not available	<input type="checkbox"/> Select feedback
	<input checked="" type="radio"/> Sustainability report is in preparation	<input type="checkbox"/> Feedback template
	<input type="radio"/> Available but not publicly accessible	
	<input type="radio"/> Sustainability report to be published	
	<input type="radio"/> Sustainability report is published annually	
6.13 (EQ 8) Number of cultural activities on campus (Q)	<input type="radio"/> None	University_Country_5_13_cultural_activities_per_y <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1 event per year	
	2 events per year	
	3 events per year	
	<input checked="" type="radio"/> More than 3 events per year	
6.14 (EQ 9) Number of university program(s) to improve teaching and learning (Q)	<input type="radio"/> None	University_Country_5_14_Number_of_university <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1 Program	
	2 Programs	
	3 Programs	
	<input checked="" type="radio"/> More than 3 Programs	
6.15 (EQ 10) Number of sustainability community services project organized and/or involving students (Q)	<input type="radio"/> None	University_Country_5_15_Number_of_sustainab <a href="#">+ A</a> <a href="#">D</a> <a href="#">View your answer for online updates on this page.</a>
	1 Project	
	2 Projects	
	3 Projects	
	<input checked="" type="radio"/> More than 3 Projects	
6.16 (EQ 11) Number of sustainability-related startups (Q)	<input checked="" type="radio"/> None	<input type="checkbox"/> Select feedback
	1-5 startups	<input type="checkbox"/> Feedback template
	6-10 startups	and input your list in profile area
	11-15 startups	
	> 15 startups	

Gambar 7. Penginputan Data Bagian 5 dan Bagian 6

## **F. Penutup**

Demikian laporan ini dibuat dengan penuh tanggung jawab, yang dapat menjadi bukti pertanggung jawaban pelaksanaan kegiatan.

## Dokumentasi Kegiatan







